```
=> d his ful

        (FILE 'HOME' ENTERED AT 13:49:14 ON 20 DEC 2005)

        FILE 'REGISTRY' ENTERED AT 13:49:18 ON 20 DEC 2005
L1              STR
L2         50 SEA SSS SAM L1
L3              STR L1
L4         50 SEA SSS SAM L3
L5              STR L3
L6         48 SEA SSS SAM L5
L7        772 SEA SSS FUL L5
L8              STR L5
L9        437 SEA SUB=L7 SSS FUL L8
L10       335 SEA ABB=ON  PLU=ON  L7 NOT L9

        FILE 'HCAPLUS' ENTERED AT 13:53:40 ON 20 DEC 2005
L11        71 SEA ABB=ON  PLU=ON  L10
L12        10 SEA ABB=ON  PLU=ON  L10(L)(THU OR BAC OR DMA OR PAC OR PKT)/RL

L13         2 SEA ABB=ON  PLU=ON  US200!-723420/APPS
L14         1 SEA ABB=ON  PLU=ON  L12 AND L13
              D SCA TI

        FILE 'MEDLINE, EMBASE, BIOSIS' ENTERED AT 13:54:57 ON 20 DEC 2005
L15         0 SEA ABB=ON  PLU=ON  L10

        FILE 'USPATFULL, USPAT2' ENTERED AT 13:55:15 ON 20 DEC 2005
L16        17 SEA ABB=ON  PLU=ON  L10
L17         0 SEA ABB=ON  PLU=ON  L16 NOT L11


        FILE HOME

        FILE REGISTRY
        Property values tagged with IC are from the ZIC/VINITI data file
        provided by InfoChem.

        STRUCTURE FILE UPDATES:   19 DEC 2005  HIGHEST RN 870234-75-6
        DICTIONARY FILE UPDATES:  19 DEC 2005  HIGHEST RN 870234-75-6

        New CAS Information Use Policies, enter HELP USAGETERMS for details.

        TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

          Please note that search-term pricing does apply when
          conducting SmartSELECT searches.

        ****************************************************************
        *                                                              *
        * The CA roles and document type information have been removed from *
        * the IDE default display format and the ED field has been added, *
        * effective March 20, 2005.  A new display format, IDERL, is now *
        * available and contains the CA role and document type information. *
        *                                                              *
        ****************************************************************

        Structure search iteration limits have been increased.  See HELP SLIMITS
```

for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/ONLINE/UG/regprops.html

FILE HCAPLUS

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FILE COVERS 1907 - 20 Dec 2005   VOL 143 ISS 26
FILE LAST UPDATED: 19 Dec 2005   (20051219/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

FILE MEDLINE
 FILE LAST UPDATED: 18 DEC 2005 (20051218/UP). FILE COVERS 1950 TO DATE.

On December 11, 2005, the 2006 MeSH terms were loaded.

The MEDLINE reload for 2006 will soon be available. For details
on the 2005 reload, enter HELP RLOAD at an arrow promt (=>).
See also:

    http://www.nlm.nih.gov/mesh/
    http://www.nlm.nih.gov/pubs/techbull/nd04/nd04_mesh.html
    http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_med_data_changes.html
    http://www.nlm.nih.gov/pubs/techbull/nd05/nd05_2006_MeSH.html

OLDMEDLINE is covered back to 1950.

MEDLINE thesauri in the /CN, /CT, and /MN fields incorporate the
MeSH 2006 vocabulary.

This file contains CAS Registry Numbers for easy and accurate

FILE EMBASE
FILE COVERS 1974 TO 15 Dec 2005 (20051215/ED)

EMBASE has been reloaded. Enter HELP RLOAD for details.

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE BIOSIS

FILE COVERS 1969 TO DATE.
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 14 December 2005 (20051214/ED)

FILE USPATFULL
FILE COVERS 1971 TO PATENT PUBLICATION DATE: 15 Dec 2005 (20051215/PD)
FILE LAST UPDATED: 15 Dec 2005 (20051215/ED)
HIGHEST GRANTED PATENT NUMBER: US6976271
HIGHEST APPLICATION PUBLICATION NUMBER: US2005278816
CA INDEXING IS CURRENT THROUGH 15 Dec 2005 (20051215/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 15 Dec 2005 (20051215/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2005

>>>   USPAT2 is now available. USPATFULL contains full text of the   <<<
>>>   original, i.e., the earliest published granted patents or   <<<
>>>   applications. USPAT2 contains full text of the latest US   <<<
>>>   publications, starting in 2001, for the inventions covered in   <<<
>>>   USPATFULL. A USPATFULL record contains not only the original   <<<
>>>   published document but also a list of any subsequent   <<<
>>>   publications. The publication number, patent kind code, and   <<<
>>>   publication date for all the US publications for an invention   <<<
>>>   are displayed in the PI (Patent Information) field of USPATFULL   <<<
>>>   records and may be searched in standard search fields, e.g., /PN, <<<
>>>   /PK, etc.   <<<

>>>   USPATFULL and USPAT2 can be accessed and searched together   <<<
>>>   through the new cluster USPATALL. Type FILE USPATALL to   <<<
>>>   enter this cluster.   <<<
>>>   <<<
>>>   Use USPATALL when searching terms such as patent assignees,   <<<
>>>   classifications, or claims, that may potentially change from   <<<
>>>   the earliest to the latest publication.   <<<

This file contains CAS Registry Numbers for easy and accurate
substance identification.

FILE USPAT2

FILE COVERS 2001 TO PUBLICATION DATE: 15 Dec 2005 (20051215/PD)
FILE LAST UPDATED: 15 Dec 2005 (20051215/ED)
HIGHEST GRANTED PATENT NUMBER: US2004010853
HIGHEST APPLICATION PUBLICATION NUMBER: US2005278014
CA INDEXING IS CURRENT THROUGH 15 Dec 2005 (20051215/UPCA) ·
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 15 Dec 2005 (20051215/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Oct 2005
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Oct 2005

USPAT2 is a companion file to USPATFULL. USPAT2 contains full text
of the latest US publications, starting in 2001, for the inventions
covered in USPATFULL. USPATFULL contains full text of the original
published US patents from 1971 to date and the original applications
from 2001. In addition, a USPATFULL record for an invention contains
a complete list of publications that may be searched in standard
search fields, e.g., /PN, /PK, etc.

USPATFULL and USPAT2 can be accessed and searched together through
the new cluster USPATALL. Type FILE USPATALL to enter this cluster.

Use USPATALL when searching terms such as patent assignees,
classifications, or claims, that may potentially change from the
earliest to the latest publication.

```
=> fil hcap
FILE 'HCAPLUS' ENTERED AT 13:56:27 ON 20 DEC 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)
```

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```
FILE COVERS 1907 - 20 Dec 2005  VOL 143 ISS 26
FILE LAST UPDATED: 19 Dec 2005  (20051219/ED)
```
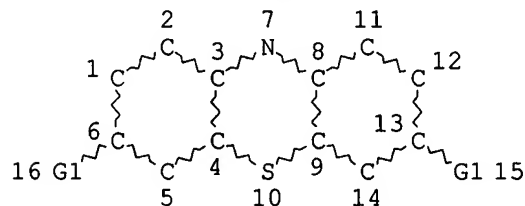
New CAS Information Use Policies, enter HELP USAGETERMS for details.

 This file contains CAS Registry Numbers for easy and accurate
 substance identification.

```
=> d que stat 112
L5                      STR
```



```
VAR G1=18/20
NODE ATTRIBUTES:
NSPEC    IS RC       AT   17
NSPEC    IS RC       AT   19
NSPEC    IS R        AT   20
CONNECT IS E2   RC AT    7
CONNECT IS E2   RC AT   10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  20

STEREO ATTRIBUTES: NONE
```
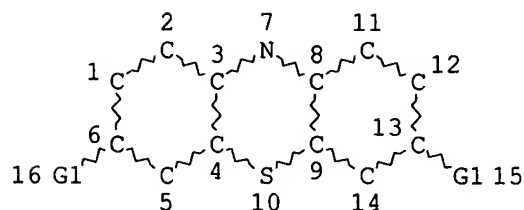
Except compounds where

A and B are   — N(CH₃)₂

or   — N(CH₂CH₃)₂

```
L7        772 SEA FILE=REGISTRY SSS FUL L5
L8            STR
```



```
VAR G1=18/21
NODE ATTRIBUTES:
CONNECT IS E2  RC AT   7
CONNECT IS E2  RC AT  10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  22

STEREO ATTRIBUTES: NONE
L9        437 SEA FILE=REGISTRY SUB=L7 SSS FUL L8
L10       335 SEA FILE=REGISTRY ABB=ON  PLU=ON  L7 NOT L9
L12        10 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L10(L)(THU OR BAC OR DMA OR
              PAC OR PKT)/RL


=> d l12 ibib abs hitind hitstr 1-10

L12  ANSWER 1 OF 10  HCAPLUS  COPYRIGHT 2005 ACS on STN
ACCESSION NUMBER:      2005:523436  HCAPLUS
DOCUMENT NUMBER:       143:59990
TITLE:                 Preparation of phenothiazinium salts as antimicrobials
                       for use in photodynamic therapy (PDT).
INVENTOR(S):           Brown, Stanley Beames; O'Grady, Cassandra Claire;
                       Griffiths, John; Mellish, Kirste Joanne; Tunstall,
                       Richard George; Roberts, David John Howard; Vernon,
                       David Ian
PATENT ASSIGNEE(S):    Photopharmica Limited, UK
SOURCE:                PCT Int. Appl., 69 pp.
                       CODEN: PIXXD2
DOCUMENT TYPE:         Patent
LANGUAGE:              English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:
```

Applicants

```
     PATENT NO.          KIND   DATE        APPLICATION NO.        DATE
     ---------------     ----   --------    -------------------    --------
     WO 2005054217        A1     20050616    WO 2004-GB4918         20041122
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,
             CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
             GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC,
             LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI,
             NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY,
             TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
         RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM,
```

```
=> fil medline embase biosis
FILE 'MEDLINE' ENTERED AT 13:57:07 ON 20 DEC 2005

FILE 'EMBASE' ENTERED AT 13:57:07 ON 20 DEC 2005
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FILE 'BIOSIS' ENTERED AT 13:57:07 ON 20 DEC 2005
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=> d que stat 115
L5              STR
```
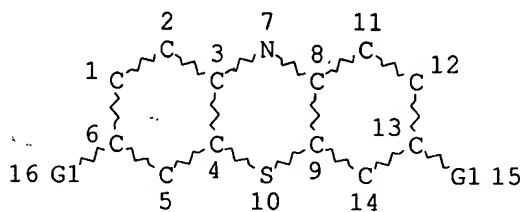
         2   7   11
        C   N   C
    1 C   3 C   8 C   12   C~N~C   N @20
        6   3   13   17 @18 19
        C   C   C
   16 G1   C   4 S 9   C   G1 15
         5   10   14

```
VAR G1=18/20
NODE ATTRIBUTES:
NSPEC    IS RC       AT   17
NSPEC    IS RC       AT   19
NSPEC    IS R        AT   20
CONNECT IS E2   RC AT   7
CONNECT IS E2   RC AT  10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  20

STEREO ATTRIBUTES: NONE
L7              772 SEA FILE=REGISTRY SSS FUL L5
L8              STR
```
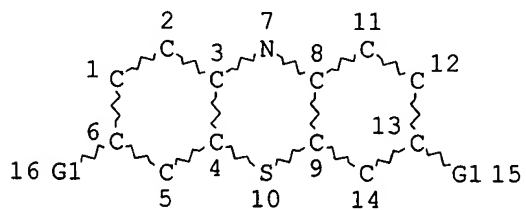
         2   7   11
        C   N   C
    1 C   3 C   8 C   12   Me~N~Me   Et~N~Et
        6   3   13   17 @18 19   20 @21 22
        C   C   C
   16 G1   C   4 S 9   C   G1 15
         5   10   14

```
VAR G1=18/21
NODE ATTRIBUTES:
CONNECT IS E2   RC AT    7
CONNECT IS E2   RC AT   10
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
```

E ISOLATED OR EMBEDDED
NODES IS 22

ATTRIBUTES: NONE
        437 SEA FILE=REGISTRY SUB=L7 SSS FUL L8
        335 SEA FILE=REGISTRY ABB=ON   PLU=ON   L7 NOT L9
          0 SEA L10

> fil uspatall
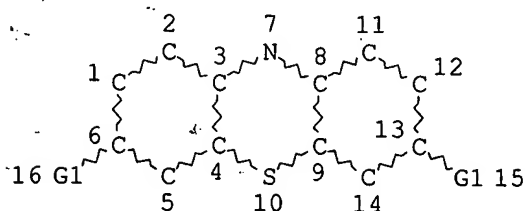FILE 'USPATFULL' ENTERED AT 13:57:18 ON 20 DEC 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:57:18 ON 20 DEC 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

=> d que stat ·117
L5   STR

             C⌇N⌇C   N @20
             17 @18 19

VAR G1=18/20
NODE ATTRIBUTES:
NSPEC   IS RC   AT 17
NSPEC   IS RC   AT 19
NSPEC   IS R   AT 20
CONNECT IS E2   RC AT   7
CONNECT IS E2   RC AT 10
DEFAULT MLEVEL IS ATOM
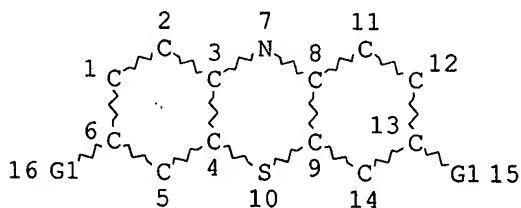DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 20

STEREO ATTRIBUTES: NONE
L7   772 SEA FILE=REGISTRY SSS FUL L5
L8   STR

       Me⌇N⌇Me   Et⌇N⌇Et
       17 @18 19   20 @21 22

VAR G1=18/21
NODE ATTRIBUTES:
CONNECT IS E2   RC AT   7
CONNECT IS E2   RC AT 10

DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 22

STEREO ATTRIBUTES: NONE
L9   437 SEA FILE=REGISTRY SUB=L7 SSS FUL L8
L10   335 SEA FILE=REGISTRY ABB=ON PLU=ON L7 NOT L9
L11   71 SEA FILE=HCAPLUS ABB=ON PLU=ON L10
L16   17 SEA L10
L17   0 SEA L16 NOT L11